

**IN THE UNITED STATES PATENT OFFICE**

In Re Patent Application of:	)	
	)	Examiner: Bernarr E. Gregory
	)	(Parent application)
	)	Art Unit: 3662
	)	(Parent application)
Steven A. Gronemeyer	)	
	)	
Application No. Not yet assigned	)	
	)	
Filed: HEREWITH	)	
	)	
For: SIGNAL DETECTOR EMPLOYING	)	
CORRELATION ANALYSIS OF	)	
NON-UNIFORM AND DISJOINT	)	
SAMPLE SEGMENTS	)	
A continuation of:	)	
U.S. Patent Application No. 09/971,293,	)	
<u>filed October 4, 2001</u>	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97**

Sir:

Enclosed are Information Disclosure Citation Forms PTO/SB/08 listing references cited in the parent patent application. Because the references were cited and considered by the Examiner in the parent case, copies of the references are not enclosed. It is respectfully requested that the cited references be considered and that the enclosed copies of the Forms PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to Applicant.

Pursuant to 37 CFR 1.97(h), the submission of this Information Disclosure Statement is not to be construed as an admission that the information cited in this statement is material to patentability.

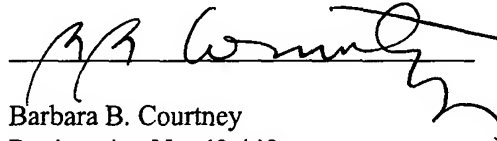
This Information Disclosure Statement is being submitted concurrently with the above-captioned continuation application.

The Commissioner is hereby authorized to charge any fees which may be required in connection with this submission to Deposit Account No. 501914.

Respectfully submitted,

SHEMWELL GREGORY & COURTNEY LLP

Dated: August 19, 2003

  
Barbara B. Courtney  
Registration No. 42,442

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 11

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,604,911	9/14/1971	Schmitt	
		US- 3,975,628	8/17/1976	Graves et al.	
		US- 4,426,712	1/17/1984	Gorski-Popiel	
		US- 4,445,118	4/24/1984	Taylor et al.	
		US- 4,463,357	7/31/1984	MacDoran	
		US- 4,578,678	3/25/1986	Hurd	
		US- 4,667,203	5/19/1987	Counselman, III	
		US- 4,701,934	10/20/1987	Jasper	
		US- 4,754,465	6/28/1988	Trimble	
		US- 4,785,463	11/15/1988	Janc et al.	
		US- 4,809,005	2/28/1989	Counselman, III	
		US- 4,821,294	4/11/1989	Thomas, Jr.	
		US- 4,890,233	12/26/1989	Ando et al.	
		US- 4,894,662	1/16/1990	Counselman	
		US- 4,894,842	1/16/1990	Broekhoven et al.	
		US- 4,992,720	2/12/1991	Hata	
		US- 4,998,111	3/5/1991	Ma et al.	
		US- 5,014,066	5/7/1991	Counselman, III	
		US- 5,018,088	5/21/1991	Higbie	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 11

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,036,329	7/30/1991	Ando	
		US- 5,043,736	8/27/1991	Darnell et al.	
		US- 5,108,334	4/28/1992	Eschenbach	
		US- 5,148,042	9/15/1992	Nakazoe	
		US- 5,153,591	10/6/1992	Clark	
		US- 5,179,724	1/12/1993	Lindoff	
		US- 5,202,829	4/13/1993	Geier	
		US- 5,225,842	7/6/1993	Brown et al.	
		US- 5,253,268	10/12/1993	Omura et al.	
		US- 5,276,765	1/4/1994	Fremman et al.	
		US- 5,293,170	3/8/1994	Lorenz et al.	
		US- 5,293,398	3/8/1994	Hamao et al.	
		US- 5,297,097	3/22/1994	Etoh et al.	
		US- 5,311,195	5/10/1994	Mathis et al.	
		US- 5,323,164	6/21/1994	Endo	
		US- 5,343,209	8/30/1994	Sennott et al.	
		US- 5,345,244	9/6/1994	Gildea et al.	
		US- 5,347,536	9/13/1994	Meehan	
		US- 5,352,970	10/4/1994	Armstrong II	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of 11

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,363,030	11/8/1994	Ford et al.	
		US- 5,378,155	1/3/1995	Eldridge	
		US- 5,379,224	1/3/1995	Brown et al.	
		US- 5,396,515	3/7/1995	Dixon et al.	
		US- 5,402,346	3/28/1995	Lion et al.	
		US- 5,402,347	3/28/1995	McBurney et al.	
		US- 5,410,747	4/25/1995	Ohmagari et al.	
		US- 5,416,712	5/16/1995	Geier et al.	
		US- 5,418,818	5/23/1995	Marchetto et al.	
		US- 5,420,593	5/30/1995	Niles	
		US- 5,440,313	8/8/1995	Osterdock et al.	
		US- 5,450,344	9/12/1995	Woo et al.	
		US- 5,498,239	3/12/1996	Galel et al.	
		US- 5,504,684	4/2/1996	Lau et al.	
		US- 5,546,445	8/13/1996	Dennison et	
		US- 5,548,613	8/20/1996	Kahu et al.	
		US- 5,550,811	8/27/1996	Kahu et al.	
		US- 5,568,473	10/22/1996	Hemmati et al.	
		US- 5,577,023	11/19/1996	Marum et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of 11

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,577,025	11/19/1996	Skinner et al.	
		US- 5,592,173	1/7/1997	Lau et al.	
		US- 5,594,453	1/14/1997	Rodal et al.	
		US- 5,608,722	3/4/1997	Miller	
		US- 5,623,485	4/22/1997	Bi	
		US- 5,625,668	4/29/1997	Loomis et al.	
		US- 5,640,429	6/17/1997	Michaels et al.	
		US- 5,640,431	6/17/1997	Bruckert et al.	
		US- 5,642,377	5/24/1997	Chung et al.	
		US- 5,644,591	7/1/1997	Sutton	
		US- 5,649,000	7/15/1997	Lee et al.	
		US- 5,650,792	7/22/1997	Moore et al.	
		US- 5,654,718	8/5/1997	Beason et al.	
		US- 5,663,734	9/2/1997	Krasner	
		US- 5,663,735	9/2/1997	Eschenbach	
		US- 5,689,814	11/18/1997	Hagisawa et al.	
		US- 5,722,061	2/24/1998	Hutchinson IV et al.	
		US- 5,734,674	3/31/1998	Fenton et al.	
		US- 5,734,966	3/31/1998	Farrer et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

5

of

11

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,737,329	4/7/1998	Horiguchi	
		US- 5,739,596	4/14/1998	Takizawa et al.	
		US- 5,749,067	5/5/1998	Barrett	
		US- 5,781,156	7/14/1998	Krasner	
		US- 5,784,695	7/21/1998	Upton et al.	
		US- 5,786,789	7/28/1998	Janky	
		US- 5,812,087	9/22/1998	Krasner	
		US- 5,825,327	10/20/1998	Krasner	
		US- 5,828,694	10/27/1998	Schipper	
		US- 5,831,574	11/3/1998	Krasner	
		US- 5,832,021	11/3/1998	Kondo	
		US- 5,841,396	11/24/1998	Krasner	
		US- 5,845,203	12/1/1998	LaDue	
		US- 5,854,605	12/29/1998	Gildea	
		US- 5,862,465	1/19/1999	Ou	
		US- 5,867,535	2/2/1999	Phillips et al.	
		US- 5,867,795	2/2/1999	Novis et al.	
		US- 5,872,540	2/16/1999	Casabona et al.	
		US- 5,874,914	2/23/1999	Krasner	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

Sheet 6 of 11

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,877,724	3/2/1999	Davis	
		US- 5,877,725	3/2/1999	Kalafus	
		US- 5,881,371	3/9/1999	Reynolds	
		US- 5,883,594	3/16/1999	Lau	
		US- 5,884,214	3/16/1999	Krasner	
		US- 5,889,474	3/30/1999	LaDue	
		US- 5,903,654	5/11/1999	Milton et al.	
		US- 5,907,809	5/25/1999	Molnar et al.	
		US- 5,909,640	6/1/1999	Farrer et al.	
		US- 5,917,444	6/29/1999	Loomis et al.	
		US- 5,917,829	6/29/1999	Hertz et al.	
		US- 5,920,283	7/6/1999	Shaheen et al.	
		US- 5,923,703	7/13/1999	Pon et al.	
		US- 5,924,024	7/13/1999	Ikeda et al.	
		US- 5,926,131	7/20/1999	Sakumoto et al.	
		US- 5,936,572	8/10/1999	Loomis et al.	
		US- 5,943,363	8/24/1999	Hanson et al.	
		US- 5,945,944	8/31/1999	Krasner	
		US- 5,956,328	9/21/1999	Sato	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

Sheet 7

of 11

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,963,582	10/5/1999	Stansell, Jr.	
		US- 5,970,084	10/19/1999	Honda	
		US- 5,977,909	11/2/1999	Harrison et al.	
		US- 5,982,324	11/9/1999	Watters et al.	
		US- 5,987,016	11/16/1999	He	
		US- 5,991,309	11/23/1999	Jensen et al.	
		US- 5,991,613	11/23/1999	Euscher et al.	
		US- 5,995,537	11/30/1999	Kondo	
		US- 5,999,124	12/7/1999	Sheynblat	
		US- 6,002,362	12/14/1999	Gudat	
		US- 6,002,362	12/14/1999	Krasner	
		US- 6,002,709	12/14/1999	Hendrickson	
		US- 6,009,551	12/28/1999	Sheynblat	
		US- 6,016,119	1/18/2000	Krasner	
		US- 6,023,462	2/8/2000	Nieczyporowicz et al	
		US- 6,041,222	2/21/2000	Horton et al.	
		US- 6,047,016	4/4/2000	Ramberg et al.	
		US- 6,047,017	4/4/2000	Cahn et al.	
		US- 6,049,715	4/11/2000	Willhoff et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 8 of 11

### Complete if Known

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,052,081	4/18/2000	Krasner	
		US- 6,061,018	5/9/2000	Sheynblat	
		US- 6,064,336	5/16/2000	Krasner	
		US- 6,064,688	5/16/2000	Yanagi	
		US- 6,075,809	6/13/2000	Naruse	
		US- 6,104,338	8/15/2000	Krasner	
		US- 6,104,340	8/15/2000	Krasner	
		US- 6,107,960	8/22/1000	Krasner	
		US- 6,111,540	8/29/2000	Krasner	
		US- 6,131,067	10/10/2000	Girerd et al.	
		US- 6,133,871	10/17/2000	Krasner	
		US- 6,133,873	10/17/2000	Krasner	
		US- 6,133,874	10/17/2000	Krasner	
		US- 6,150,980	11/21/2000	Krasner	
		US- 5,557,645	09-1996	Dent	
		US- 5,619,533	04-1997	Dent	
		US- 5,912,919	06-1999	Lomp et al.	
		US- 6,075,808	06-2000	Tsujimoto	
		US- 6,091,361	07-2000	Davis et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (parent)
Attorney Docket Number	SIRF.P214.US.C2

Sheet	9	of	11
-------	---	----	----

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		WO 92/13392 A1	08-1992	Lindoff		
		WO 00/19644 A1	04-2000	Cox et al.		
		EP 0511741 A1	11-1992	Lapaoula et al.		
		EP 0511741 B1	11-1997	Lapaoula et al.		
		EP 0639901 A2	02-1995	Hagisawa et al.		
		EP 0639901 A3	11-1998	Hagisawa et al.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	Not yet assigned
Filing Date	HEREWITH
First Named Inventor	Steven A. Gronemeyer
Art Unit	3662 (parent)
Examiner Name	B. E. Gregory (paren
Attorney Docket Number	

Sheet	10	of	11
-------	----	----	----

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	Not yet assigned
		Filing Date	HEREWITH
		First Named Inventor	Steven A. Gronemeyer
		Art Unit	3662 (parent)
		Examiner Name	B. E. Gregory (parent)
Sheet 11	of 11	Attorney Docket Number	SIRF.P214.US.C2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		D.J.R. Van Nee and A.J.R.M. Coenen "New Fast GPS Code-Acquisition Technique Using FFT," January 17, 1991, Electronic Letters, Vol.27, No. 2 pp.158-160	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:  
 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.